What is claimed is:

1. A method of performing parallel data operations upon data in a database, comprising:

receiving a data transaction request in a client system; and

executing a plurality of multi-phase parallel tasks in response to the request to perform the data operations upon the data in the database.

2. The method of claim 1, wherein receiving a data transaction request comprises receiving a request for loading data into the database.

3. The method of claim 1, wherein receiving a data transaction request comprises receiving a request to perform a data transformation operation upon the data in the database.

4. The method of claim 3, wherein receiving a request to perform the data transformation operation comprises receiving a request to perform one of a data selection operation, a data validation operation, a data cleansing operation, and a data query operation.

5. The method of claim 1, wherein executing the multi-phase parallel tasks comprises executing each of the parallel tasks in one or more phases.

6. The method of claim 5, comprising executing a first parallel task in a first number of phases and a second parallel task in a second number of phases.

7. The method of claim 5, further comprising each parallel task providing a code to indicate if the task is to be re-invoked in the next phase

8. The method of claim 7, wherein providing the code comprises providing the code to a task coordinator.

9. The method of claim 8, wherein the code comprises a first code to indicate that the task coordinator is to invoke a component in the next phase.

10. The method of claim 8, wherein the code comprises a second code to indicate that the task is not to invoke a component in the next phase.

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11. The method of claim 1, further comprising:

analyzing the transaction request;

creating a task plan in response to the transaction request;

implementing the task plan in a multi-phase organization;

executing a plurality of tasks in parallel, in response the launching of the task coordinator function;

determining whether an additional phase is required in order execute the task; and

scheduling an additional phase in response to the determination that an additional phase is required.

12. The method of claim 11, wherein implementing the task plan comprises creating a job script.

13. The method of claim 11, wherein implementing the task plan comprises:

translating the task plan;

selecting a plurality of components to implement the translated task plan;

assigning a plurality of processes corresponding to the components; and

creating a communications channel to allow for communications between the processes.

14. The method of claim 13, wherein selecting the plurality of components to implement the translated task plan comprises selecting the plurality of components to perform at least one of a data extraction operation, a data transformation operation, and a data loading operation.

15. An apparatus, comprising:

a user interface;

a processor coupled with the user interface, wherein the processor receives a data transaction request from the user interface; and

a controller coupled with the processor, wherein the controller performs a number of tasks in parallel based upon instructions received from the processor, each task performed in a plurality of phases.

16. The apparatus of claim 15, wherein the processor generates a task plan in response to the data transaction request.

17. The apparatus of claim 16, wherein the controller comprises a task coordinator to execute the task plan.

18. The apparatus of claim 16, wherein the controller further comprises a plurality of components to implement the task plan in parallel.

19. The apparatus of claim 18, further comprising a communications interface for enabling communications between the components.

20. The apparatus of claim 18, wherein the controller further comprises a storage unit for storing methods and functions to execute the task plan.

21. The apparatus of claim 15, wherein the a controller coupled with the processor, wherein the controller performs a number of tasks in parallel based upon instructions received from the processor, each task performed in a plurality of phases further comprises the controller performing the tasks in a sequence of multiple process steps.

22. A system, comprising:

a database system; and

a client system to implement a plurality of data operations upon the database in parallel.

23. The system of claim 22, wherein the database system is a relational database system.

24. The system of claim 23, wherein the database system is a parallel database system.

25. The system of claim 22, wherein client system comprises:

a processor to receive a data transaction request;

a plurality of operators to perform parallel data operations in response to the data transaction request;

an operator interface coupled to the operators, wherein the operator interface allows communications between the operators.

26. The system of claim 22, wherein the processor performs data parsing and data compiling upon the data in the database system.

27. The system of claim 22, wherein the operators perform at least one of a data extraction function, a data transform function, and a data loading function.

28. An article comprising at least one storage medium containing instructions that when executed cause a client system to:

receive a data transaction request; and

execute a plurality of parallel tasks in response to the request to perform data operations upon the data in the database over a network connection.

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29. The article of claim 28, wherein the instructions when executed cause the client system to execute each of the parallel tasks in one or more phases.

30. The article of claim 29, wherein the instructions when executed cause the client system to execute a first parallel task in a first number of phases and a second parallel task in a second number of phases.

31. The article of claim 29, wherein the instructions when executed cause each parallel task to provide a code to indicate if the task is to be re-invoked in the next phase.

32. The article of claim 31, wherein the instructions when executed cause the parallel task to provide the code to a task coordinator.

33. The article of claim 32, wherein the code comprises a first code to indicate that the task coordinator is to invoke a component in the next phase.

34. The article of claim 32, wherein the code comprises a second code to indicate that the task is not to invoke the component in the next phase.

35. A method of performing parallel data operations upon data in a database, comprising:

receiving a data transaction request; and

executing a plurality of synchronized multi-phase parallel tasks in response to the request to perform the data operations upon the data in the database.

36. The method of claim 35, wherein executing the multi-phase parallel tasks comprises executing each of the parallel tasks in one or more phases.

37. The method of claim 36, comprising executing a first parallel task in a first number of phases and a second parallel task in a second number of phases.

38. The method of claim 36, further comprising each parallel task providing a code to indicate if the task is to be re-invoked in the next phase.

39. The method of claim 38, wherein providing the code comprises providing the code to a task coordinator.

40. The method of claim 39, wherein the code comprises a first code to indicate that the task coordinator is to invoke a component in the next phase.

41. The method of claim 39, wherein the code comprises a second code to indicate that the task is not to invoke a component in the next phase.

42. The method of claim 39, wherein the code synchronizes the operation of one or more component.